

We claim:

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1. A system for automatically disengaging a cruise control system on a motorized vehicle when the vehicle experiences a lateral acceleration in excess of a predetermined threshold value, comprising:
 - (a) a sensor mounted upon the vehicle for sensing lateral acceleration of the vehicle; and
 - (b) a controller in communication with the sensor and the cruise control system for disengaging the cruise control system when the sensor detects a lateral acceleration in excess of a predetermined threshold value.
2. The system of claim 1 wherein the motorized vehicle is a passenger vehicle.
3. The system of claim 1 wherein the motorized vehicle is a light duty truck.
4. The system of claim 1 wherein the motorized vehicle is a heavy duty truck.
5. The system of claim 1 wherein the motorized vehicle is a semi truck.
6. The system of claim 1 wherein the sensor is an accelerometer.
7. The system of claim 1 wherein the sensor is a pendulum.
8. The system of claim 6 wherein (i) the accelerometer is effective for generating an electrical lateral acceleration signal which is proportional to lateral acceleration experienced by the vehicle, and (ii) the controller is a microcontroller in electrical communication with the accelerometer and the cruise control system effective for (A) receiving the electrical lateral acceleration signal from the accelerometer, (B) comparing the value of the lateral acceleration signal to the predetermined

threshold value, and (C) effecting disengagement of the cruise control system when the lateral acceleration signal exceeds the predetermined threshold value.

9. The system of claim 1 wherein the controller is a mechanical switch.

10. The system of claim 7 wherein the controller is a mechanical switch.

Amended
11. A safety system for a motorized vehicle equipped with a cruise control system, comprising:

- (a) an accelerometer mounted upon the vehicle so as to sense lateral acceleration of the vehicle and generate a lateral acceleration signal having a value proportional to the sensed lateral acceleration; and
- (b) a controller in electrical communication with the accelerometer and the cruise control system for disengaging the cruise control system upon receiving a lateral acceleration signal in excess of a predetermined threshold value.

12. The system of claim 11 wherein the motorized vehicle is a passenger vehicle.

13. The system of claim 11 wherein the motorized vehicle is a light duty truck.

14. The system of claim 11 wherein the motorized vehicle is a heavy duty truck.

15. The system of claim 11 wherein the motorized vehicle is a semi truck.

16. The system of claim 11 wherein the controller is a microcontroller.

Amended
17. A method for automatically disengaging a cruise control system on a motorized vehicle when the vehicle experiences a lateral acceleration in excess of a predetermined threshold value, comprising:

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- (a) sensing lateral acceleration of the vehicle; and
- (b) automatically disengaging the cruise control system when the sensor detects a lateral acceleration in excess of a predetermined threshold value.

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